

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (Currently amended) A process installation having:
a control room; and
a plurality of sensors, which are connected via 2-wire lines ,e.g., according to the HART- standard, with a plurality of converter units; from which a signal line leads to said control room; and
which exchange data for long distance first transmission technology with said control room via said signal line S_L , wherein:
said signal line S_L is designed for a conventional first data transmission technology according to an appropriate industry standard, such as, e.g. Whessoematic WM550, Varec Mark/Space, Sakura Vi. Tiway, having a low data transmission rate (smaller than 10,000 baud);
at least one converter unit, for data exchange, operates with a second data transmission technology, which permits a greater data transmission rate and/or an expanded functionality than the first transmission technology, and which uses, as a communication medium, the existing signal line S_L ; said converter units communicate with said control room according to the first data transmission technology or second data transmission technology ;
the first and second data transmission technologies use separate data transmission channels occupying different frequency bands; and
the first data transmission channel occupies a frequency band up to 4 kHz, and the second data transmission channel occupies a frequency range greater than 4 kHz.

Claims 12 - 14 (Cancelled).

15. (Currently amended) The process installation as claimed in claim 11, wherein:

said signal line SL is a copper 2-wire line with a bandwidth of about 1 MHz.

Claim 16 (Cancelled)

17. (Previously presented) The process installation as claimed in claim 11, wherein:

said second data transmission technology corresponds to DSL (digital subscriber line) technology.

18. (Previously presented) The process installation as claimed in claim 11, wherein:

the process installation, is a tank farm with a plurality of tanks LC1, LC2, LC3, LC4, LC5 for containing liquid.

Claims 19 and 20 (Cancelled).